

# STRATEGIC PLAN THROUGH JULY 31, 2010



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## **Point of Contact**

The Missouri Department of Health and Senior Services' (DHSS) Environmental Public Health Tracking (EPHT) Program is responsible for ensuring the goals and objectives detailed in this strategic plan are completed.

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## Vision

**Healthy Missourians living in healthy communities for life.**

*Each Missourian has a right to a healthy life and a responsibility to make choices so that we have life long health. Our vision is for healthy Missourians throughout life: from conception to natural death. Together we can achieve this vision. Our health is our wealth.*

## Mission

**To provide information to and receive information from the National EPHTN by compiling, combining, and translating public health and environmental data into meaningful information that leads to increased knowledge that is used to increase the health of Missourians and their communities.**

*The Missouri Department of Health and Senior Services is the public health agency for Missouri. It is our role to promote health and to protect the citizens of Missouri. Promoting and protecting health is a big job, requiring partnerships that are broad and inclusive. It is our mission to be a leader in promoting, protecting, and partnering for health.*



## Values

**We value the public health workforce. The employees of the Department of Health and Senior Services (DHSS) and the local public health agencies (LPHAs) who work every day to improve the health of Missouri's people and communities.**

**We value those who work with us to promote and protect the public's health. Our partners include the OA/Information Technology Services Division (ITSD), academic partners of excellence (APEX), other state and federal agencies, universities and colleges, schools of public health, private health care providers, volunteer and advocacy agencies, professional organizations, business and industry groups, and private citizens of Missouri.**

**We value a strong public health system. This allows us to assess health status and needs, develop policies and priorities, and assure that the state is responding appropriately. We believe that the public health infrastructure should include surveillance and epidemiology, comprehensive statewide information systems, optimum public health laboratory services, health education and information, qualified and trained staff, and effective management.**

*The Missouri Department of Health and Senior Services is a responsible and responsive organization of inspired employees committed to continuous improvements in the health status of our population through partnerships with local public health agencies, public and private sector entities, and Missouri citizens. Our first responsibility is to our citizens. The participation of Missourians in developing and evaluating our services is highly valued.*

### Strategic Issue

Currently, no systems exist at the state or national level to track many of the exposures and health effects that may be related to environmental hazards. Additionally, in most cases, existing environmental hazard, exposure, and disease tracking systems are not linked together. Because existing systems are not linked, it is difficult to study and monitor relationships among hazards, exposures, and health effects. The Environmental Public Health Tracking Network (EPHTN) will help to protect communities by providing information to federal, state, and local agencies. These agencies, in turn, will use this information to plan, apply, and evaluate public health actions to prevent and control environmentally related diseases.

### Goal 1

**Develop a PHIN-compliant secure network for the collection, access, analysis, and dissemination of environmental public health data, knowledge, and information.**

**Expected Outcome:** The implementation of a functioning PHIN-compliant secure network portal for Missouri prior to September 30, 2008 with continuous additions of appropriate data sets throughout the life of the EPHTN.

**Objective 1:** House and maintain data in a way that can be added to the National EPHTN.

**Strategy 1:** Develop or adopt data and data quality standards for Missouri.

#### Activities:

- Utilize and extend the existing DHSS PHIN infrastructure to include EPHT functions.
- Establish a Missouri EPHT Data Investigation, Collection, and Evaluation (MoDICE) protocol.
- Identify data sources for each core data measure:
  - Hospitalizations for asthma and myocardial infarctions (from hospital discharge data)
  - Ozone and particulate matter (from beta-testing the Public Health Air Surveillance Evaluation (PHASE) project and the Missouri Department of Natural Resources (DNR) through a future TPA)
  - Key water contaminants (DNR through a future TPA)
  - Blood lead levels (from MOHSAIC data of childhood blood lead levels, case management, and environmental risk assessment data)
  - Birth weight (from DHSS Vital Statistics' birth load data files that include demographic and health indicator data)
  - Cancer (from the Missouri Cancer Registry databases)
  - Birth Defects (from the Missouri Birth Defect Registry databases)
- Continue plans to convert the Adult Blood Lead Epidemiology and Surveillance (ABLES) program data to MOHSAIC, for children 6 to 16 years old.

**Strategy 2:** Participate in national data and data quality standards development.

Activities:

- Participate in the development of tools for the national EPHT network including, but not limited to:
  - A network analysis, visualization, and reporting (AVR) toolkit
  - Geographical Information System (GIS) components
  - Electronic messaging
  - Knowledge management
  - Metadata repositories
  - Data warehouses
- Participate in the development of electronic messaging standards for the exchange of information between gateways on the other states' and the national EPHT networks.
- Participate in the Content Workgroup to establish national standardized data elements to be included in the national EPHT network.
- Participate in regularly scheduled EPHT conference calls with other grantees and APEXs.
- Attend all scheduled EPHT conferences, workshops, and committee meetings, to include but not be limited to the SND, PMO, and Content Workgroups and sub-groups.

**Objective 2:** Provide secure access to data for potential users.

**Strategy 1:** Develop a Web portal to disseminate EPHTN-related information and data.

Activities:

- Develop a web-based portal to access Missouri state EPHT Network components including public and secured data according to established security protocols and/or roles. The portal will support the Organization for the Advancement of Structured Information Standards (OASIS) Web Services for Remote Portlets (WSRP) and the Java Community Process (JCP) Java Specifications Request (JSR) to allow interoperability with the national EPHT network, other state tracking networks, Missouri's EPHT partners, and the general public. The Missouri web-portal will comply with national EPHT recommendations for metadata registries as well as querying, linking, and utilizing EPHT data and information.
- Establish a data warehouse for the analysis, visualization, and reporting of new tracking data. Make identified data available on the Missouri EPHT network according to specifications established by the Content Workgroup.



- Receive and process transmitted data, as appropriate, into the DHSS Undifferentiated Data Store Inbound (UDS\_IN) and/or the DHSS data warehouse.
- Process and make reciprocal data available to agencies as defined in appropriate memorandums of understanding (MOU) and/or TPAs.
- Incorporate existing EPHT tools, such as the existing Missouri EPHT web site, and other interactive applications.
- Hire a Project Manager (Computer Information Technology Specialist II). This position will coordinate and manage IT projects for the development, enhancement, and maintenance of the Missouri EPHT network and the Missouri PHIN-MS server.
- Hire a Data Message Developer (Computer Information Technologist III). This position will develop, troubleshoot, and maintain electronic messages, web services, and data structures that support the Missouri EPHT network and PHIN compliant messaging.

**Strategy 2:** Provide access to share metadata among potential users.

Activities:

- Require use of the approved EPHT metadata template, a template of minimum core Federal Geographic Data Committee (FGDC) metadata elements, for the tracking network as established by the Metadata Workgroup.
- Continue to assess and modify the metadata template to include additional FGDC recommended elements.

**Strategy 3:** Assure role-based security using “least-access” methods.

Activities:

- Provide role-based security that complies with PHIN standards in accordance with appropriate National Institute of Standards and Technology (NIST) guidelines by extending DHSS security systems to meet the requirements of EPHT role-based access.
- Provide secure access to DHSS developed web-based query and analysis tools for data within the DHSS data warehouse to other agencies participating in the Missouri EPHT network.
- Provide public access to DHSS developed web-based query and analysis tools for data available on Missouri’s EPHT web portal.

**Objective 3:** Provide mechanisms for secure data transport.

**Strategy 1:** Implement secure data transport in compliance with PHIN standards.

Activities:

- Provide for the connectivity with appropriate Missouri departments in accordance with trading partnership agreements (TPA) for sharing EPHT data.
- Implement EPHTN-compliant gateways for secure data transport (e.g. PHIN-MS and/or CDX).

**Strategy 2:** Participate in the development of National EPHTN messaging standards.

Activity:

- Ensure membership on EPHTN messaging standard development team.

**Performance Measures:**

- Participate in all EPHT conference calls beginning in July 2006.
- Establish a Missouri Data Investigation, Collection, and Evaluation (MoDICE) protocol by December 2006.
- Data Message Developer is hired by December 2006.
- Project Manager is hired by December 2006.
- Acquire and install web-portal software by December 2006.
- Identify initial web-portal project by December 2006.
- Implement foundation security that supports role-based access of internal, external, and public users to the Missouri EPHT network by December 2006.
- Identify, analyze, and develop initial portal design including initial portlets to be developed by March 2007.
- Complete security assessment, including PHIN Preparedness Cross Functional components certification self-assessment and NIST SP 800-26 assessment by March 2007.
- Identify the initial core data sources by April 2007.
- Identify and add appropriate tracking network security roles to the DHSS directory by May 2007.
- Negotiate file transfer protocols and appropriate TPAs for initial core data sources by June 2007.
- Develop and pilot initial web-portal project by July 2007.
- Assist in the design and implementation of file transfer protocols between MOHSAIC and the St. Louis City building division database that tracks lead exposure and hazard sources by July 2007.
- Complete the analysis and design of an EPHT web-query tool by July 2007.
- Incorporate existing Missouri EPHT web resources into the web-portal by July 2007.
- Initiate pilot data exchange with a state agency, potentially with the Missouri Department of Natural Resources (DNR), by July 2007.
- Complete analysis and design of data warehouse (including design and implementation of standardized reports) by November 2007.

- Metadata templates will be completed by December 2007.
- Establish and implement data exchanges with two other state agencies by July 2008.
- Completion of metadata templates for initial core measures by July 2008.
- Publish identified data for initial core measures on the state EPHT network web-portal by July 2008.
- Negotiate file transfer protocols and appropriate TPAs for Cancer and Birth Defects by June 2009.
- Publish the identified data for Cancer, Birth Defects, and other Content Workgroup mandated measures by July 2010.
- Completion of metadata templates for Cancer, Birth Defects, and other measures required by the Content Workgroup by July 2010.
- Extend the web-portal to include all EPHTN approved components by July 2010.

## **Goal 2** **Enhance Missouri's EPHTN workforce and infrastructure.**

**Expected Outcome:** The enhancement of the EPHTN workforce and infrastructure will aid in the delivery of essential environmental public health services and in addressing emerging environmental public health issues.

**Objective 1:** Build EPHTN expertise through workforce development.

**Strategy 1:** Develop and coordinate EPHTN-related training for DHSS, allied agencies, and Local Public Health Agencies.

Activities:

- Offer trainings in district offices to increase participation (e.g. New Employee Training for Local environmental Public Health Specialists).
- Provide trainings for local public health agency (LPHA), managed care organization (MCO) staff, and lead risk assessors on MOHSAIC to document case management, environmental risk assessments, and other activities.
- Provide opportunities for agencies, organizations, and elected officials to complete the national EPHT 101 course.

**Strategy 2:** Continue efforts to increase participation in the Local Emergency and Environmental Public Health Initiative.

Activities:

- Monitor existing enrollment in and use of the EPH Initiative.
- Identify areas of need within the state.
- Develop and implement marketing strategies to promote the EPH Initiative.

**Objective 2:** Facilitate the development and use of EPHTN by the enhancement and support of technological resources.

**Strategy 1:** Expand the use of geospatial technologies within DHSS, allied agencies, and Local Public Health Agencies.

Activities:

- Work in collaboration with the DHSS emergency preparedness programs to expand the use of GIS technology.
- Work in collaboration with allied agencies to identify projects that could use geospatial technologies.

- Provide training and technical assistance on GIS and geospatial technologies.

**Strategy 2:** Assist allied agencies and Local Public Health Agencies with the enhancement of their technology infrastructure.

Activities:

- Develop EPHT network web-based query tools based upon the Missouri Information for Community Assessment (MICA).
- Evaluate and insure that the Missouri EPHT network architecture complies with national EPHT security standards and recommendations, including: PHIN Preparedness *Cross Functional Components Requirements*; Appendix III to Office of Management and Budget (OMB) Circular A-130, *Security of Federal Automated Information Resources*; NIST SP 800-26 and 800-26 Revision 1, *Guide for Information Security Program Assessments and System Reporting Form*; NIST SP 800-53, *Recommended Security Controls for Federal Information Systems*; NIST SP 800-60, *Information Security, Guide for Mapping Types of Information and Information Systems to Security Categories*; OMB Memorandum M-04-04, *E-Authentication Guidance for Federal Agencies* (December 16, 2003); and NIST SP 800-64 *Security Considerations in the Information System Development Life Cycle*.
- Coordinate with IT staff in identified agencies for a mutually agreeable data exchange format and/or web services using the Jefferson City Metropolitan Area Network (MAN) for network transport. The MAN is an intra-agency secure network for Missouri state government use within the Jefferson City, Missouri area.
- Establish a service oriented architecture (SOA) and file/message based protocols commensurate with the Missouri Enterprise Architecture (MEA), which can be viewed at <http://www.oa.mo.gov/itsd/cio/architecture/architecture.html>), PHIN standards, and national EPHT guidelines and procedures.

**Performance Measures:**

- Conduct a pilot project in partnership with Missouri's Public Housing Authorities to include the initial data collection and annual data verifications by July 2007.
- Provide four training sessions for users of the MOHSAIC blood lead application by July 2008.
- Provide access to the national EPHT 101 course through the Missouri state EPHT network web-portal by December 2008.
- Develop and sponsor five field-training exercises on data collection and GIS analysis for LPHAs by July 2010.
- Develop five environmental public health-related tabletop exercises on data collection and analysis by July 2010.

### Goal 3

**Use the EPHTN to guide policy, practice, and other actions to improve the health of Missourians.**

**Expected Outcome:** The information generated from the EPHTN is used in the practice of evidence-based decision making by policy makers to benefit public health.

**Objective 1:** Identify, facilitate, and communicate emerging issues and the risks from environmental exposures to DHSS, allied agencies, and Local Public Health Agencies.

**Strategy 1:** Provide decision support services to management and the public.

Activities:

- Hire a Missouri State EPHT Network Coordinator (Epidemiology Specialist). This position will assist in the design, integration, and implementation of the state EPHT network and serve as a public liaison for the state EPHT network.
- Conduct periodic management update briefings.
- Conduct preliminary analysis on EPHT identified core topics.
- Perform in-depth analysis and ad-hoc reporting, of topics of interest upon management request, and assist in the interpretation of findings.

**Strategy 2:** Expand the use of available technologies to improve the identification, facilitation, and communication of EPHT information.

Activities:

- Utilize geographic analysis to identify exposure sources.
- Utilize Interactive Mappers to improve the dissemination of EPHT information.
- Utilize the AVR toolkit to facilitate the display and interpretation of EPHTN data.

**Strategy 3:** Utilize existing relevant datasets to identify EPHT-related conditions.

Activities:

- Identify and evaluate health outcomes for inclusion in the Missouri EPHTN.
- Identify and evaluate potential datasets, utilizing the MoDICE protocol, for use by the EPHTN.

- Negotiate trading partnership agreements to obtain relevant datasets.
- Assist in the analysis of data to determine if condition/exposure relationships exist.

**Strategy 4:** Collaborate with DHSS, allied agencies, and Local Public Health Agencies by providing EPHT information to assist in the development of interventions and preventions.

Activities:

- Determine target markets (stakeholders) and utilize personal contacts to assure that key partners are included in dialogues about implementation of the state and national EPHT networks.
- Hire a Trading Partnership Agreement (TPA) Coordinator (Health Program Representative I/II). This position will focus primarily on establishing and maintaining the TPAs necessary to operate the state EPHT network.
- Act as a resource for dissemination of EPHT data and information.

**Objective 2:** Encourage the use of EPHTN to develop and implement education and outreach strategies by DHSS, allied agencies, and Local Public Health Agencies.

**Strategy 1:** Develop electronic information modules, brochures, and fact sheets to educate interested parties about the EPHTN and its capabilities.

Activities:

- Develop an outreach plan with stakeholders and potential end users including progress reports, needs assessment surveys, and technical documents on the construction, implementation, and evaluation of the state and national EPHT networks.
- Assist department health education staff to create materials for use by the public.
- Develop a quarterly electronic Missouri Environmental Public Health Tracking newsletter.
- Participate on designated CDC workgroups for the design, development, and publication of a “State of the National EPHT Program” report.

**Strategy 2:** Provide forums to inform and involve DHSS, allied agencies, Local Public Health Agencies, and the public on the EPHTN.

Activities:

- Sponsor or co-sponsor environmental health workshops.
- Create a standard environmental health “road show” for presentation opportunities.

**Strategy 3:** Designate a single point of contact for all EPHT-related projects. This individual would serve as the liaison between the department and its collaborators.

Activity:

- Hire a Missouri State EPHT Network Coordinator (Epidemiology Specialist). This position will assist in the design, integration, and implementation of the state EPHT network and serve as a public liaison for the state EPHT network.

**Strategy 4:** Develop an Environmental Public Health Tracking Advisory Group to coordinate EPHT efforts in the state.

Activities:

- Continue collaboration with interdisciplinary advisors for consultation on the design and implementation of the state EPHT network.
- Recruit new advisors, as necessary, to provide expertise regarding the network.

**Performance Measures:**

- Identify staff to participate on CDC “State of the National EPHT Program” workgroup(s) by October 2006.
- Disseminate the “2006 State of the National EPHT Program” report by July 2007 (or by another timeline as determined by CDC and the workgroup(s)).
- TPA Coordinator is hired by July 2007.
- EPHT Network Coordinator is hired by July 2007.
- Survey existing advisors on the status of the Missouri state EPHT network by December 2007.
- Designate an official public liaison to direct inquiries to appropriate staff members for the Missouri EPHT program by January 2008.
- Create an annual executive summary of Missouri EPHT activities, and make it available on the Missouri EPHT website starting by January 2008.
- Update technical information about the state network on the Missouri EPHT website for review and comment by April 2008.
- Recruit at least two new advisors to the group by July 2010.



## **Goal 4**

### **Foster collaboration among Missouri's Environmental Public Health Tracking partners.**

**Expected Outcome:** The collaboration among Missouri's Environmental Public Health Tracking partners aid in the assessment of epidemiological and environmental conditions. These relationships assist in reducing the burden of disease and promoting effective interventions and public health practices.

**Objective 1:** Identify and recruit partners for inclusion in EPHTN activities.

**Strategy 1:** Deliver presentations and demonstrations to provide detailed information about the EPHTN.

**Activities:**

- Utilize a variety of communication strategies including video conferencing, CD-ROM applications, conference presentations, and publication of articles.
- Include promotional and factual information about the EPHT network and program on the Missouri EPHT network portal.
- Provide a feedback and suggestion mechanism for visitors to the Missouri EPHT network portal.

**Strategy 2:** Engage stakeholders and potential partners in a dialogue of resource sharing.

**Activities:**

- Contact data stewards/owners to negotiate data access and transmittal resulting in TPAs with the stewards/owners.
- Promote opportunities for resource sharing at local and regional meetings and conferences.

**Objective 2:** Work with the Missouri EPHT Advisory Group to identify environmental public health concerns.

**Strategy 1:** Assist partners in planning and intervention efforts.

**Activities:**

- Offer consultation and technical assistance.
- Create and publish a yearly State of the Missouri EPHT Network report available to agencies and stakeholders to utilize in their planning and intervention efforts.

**Strategy 2:** Assess the progress of the Missouri EPHT network.

Activities:

- Create short-term evaluation strategies as development of the EPHT network evolves. Short-term evaluation will focus on engaging stakeholders, defining data content, compilation of metadata, and standards development.
- Create long-term evaluation strategies as development of the EPHT network evolves. Long-term evaluation will focus on usage of the network, ability to deliver timely, accurate, and useful information to stakeholders, and evidence that information is integrated across health, human exposure, and hazard surveillance systems.
- Complete appropriate reports to assess the progress of the Missouri EPHT network.

**Objective 3:** Investigate and pursue funding to enhance and improve the EPHTN.

**Strategy:** Work with partners to secure funding.

Activities:

- Offer consultation and technical assistance.
- Assist in identifying capacity, structure, and opportunities.

**Objective 4:** Identify and/or improve processes for working with partners.

**Strategy 1:** Collaborate with the Tulane University Academic Partner of Excellence.

Activities:

- Meet with the Tulane Center for Applied Environmental Public Health (TCAEPH) on a yearly basis to discuss joint projects and EPHT network development and implementation.
- Communicate periodically with TCAEPH staff on project status and progress.

**Strategy 2:** Discuss and evaluate processes with Missouri EPHT partners.

Activities:

- Query partners to solicit input about Missouri's EPHT program and network.
- Evaluate partner input for potential inclusion.

**Performance Measures:**

- Participate in national workgroups (e.g. PMO, SND, and CWG), sub-groups, teams, pilots, and other groups as they are identified beginning July 2006.
- Attend all scheduled EPHT conferences, workshops, and meetings beginning in July 2006.
- Determine short-term strategies by August 2006.
- Determine long-term strategies by August 2006.
- Enhance the Missouri EPHT website by creating pages for resources, publications, and frequently asked questions by January 2007.
- Produce a bi-annual update on EPHT network development and collaborations by July 2007.
- Travel yearly to TCAEPH, located in New Orleans, Louisiana, for discussion of joint projects and EPHT network development and implementation, beginning in July 2007.
- Complete first short-term evaluation of the state EPHT network by August 2007.
- Create a standard field presentation for use by Missouri EPHT staff to promote the EPHT program and the state and national EPHT networks by January 2008.
- Use the templates developed by the Program Marketing and Outreach workgroup (PMO) to create Missouri specific brochures and fact sheets describing the EPHT program by July 2008.
- Provide technical assistance and dissemination of health data and information to stakeholders by July 2008.
- Collect and evaluate partner input annually, beginning by December 2008.
- Complete first long-term evaluation of the state EPHT network by December 2008.
- Publish the first *State of the Missouri EPHT Network* report by December 2009.
- One staff member from each participating LPHA will complete the national EPHT 101 course by July 2010.
- Document usage of data by stakeholders, and identify public health investigations and interventions that were based on information obtained from the state EPHT network by July 2010.
- Make recommendations, discuss lessons learned, and evaluate new environmental public health data to be included on the state and national EPHT networks by July 2010.
- Sponsor or co-sponsor an environmental public health related seminar or workshop to focus on an aspect of environmental tracking (e.g. defining environmental exposure) with planning to begin by July 2010 and the seminar or workshop to be held by July 2011.

## Estimated Timetable of Performance Measures

### August 2006 – December 2006:

- Participate in all EPHT conference calls.
- Attend all scheduled EPHT conferences, workshops, and meetings.
- Determine short-term strategies.
- Determine long-term strategies.
- Participate in national workgroups (e.g. PMO, SND, and CWG), sub-groups, teams, pilots, and other groups as they are identified.
- Identify staff to participate on CDC “State of the National EPHT Program” workgroup(s).
- Establish a Missouri Data Investigation, Collection, and Evaluation (MoDICE) protocol.
- Data Message Developer is hired.
- Project Manager is hired.
- Acquire and install web-portal software.
- Identify initial web-portal project.
- Implement foundation security that supports role-based access of internal, external, and public users to the Missouri EPHT network.

### January 2007 – June 2007:

- Enhance the Missouri EPHT website by creating pages for resources, publications, and frequently asked questions.
- Identify, analyze, and develop initial portal design including initial portlets to be developed.
- Complete security assessment, including PHIN Preparedness Cross Functional components certification self-assessment and NIST SP 800-26 assessment.
- Identify the initial core data sources.
- Identify and add appropriate tracking network security roles to the DHSS directory.
- Negotiate file transfer protocols and appropriate TPAs for initial core data sources.

### July 2007:

- Develop and pilot initial web-portal project.
- Assist in the design and implementation of file transfer protocols between MOHSAIC and the St. Louis City building division database that tracks lead exposure and hazard sources.
- Complete the analysis and design of an EPHT web-query tool.
- Incorporate existing Missouri EPHT web resources into the web-portal.
- Produce a bi-annual update on EPHT network development and collaborations.
- Travel yearly to TCAEPH, located in New Orleans, Louisiana, for discussion of joint projects and EPHT network development and implementation.

- Initiate pilot data exchange with a state agency, potentially with the Missouri Department of Natural Resources (DNR).
- Disseminate the “2006 State of the National EPHT Program” report.
- TPA Coordinator is hired.
- EPHT Network Coordinator is hired.
- Conduct a pilot project in partnership with Missouri’s Public Housing Authorities to include the initial data collection and annual data verifications.

August 2007 – December 2007:

- Complete first short-term evaluation of the state EPHT network.
- Complete analysis and design of data warehouse (including design and implementation of standardized reports).
- Metadata templates will be completed.
- Survey existing advisors on the status of the Missouri state EPHT network.

January 2008 – June 2008:

- Create a standard field presentation for use by Missouri EPHT staff to promote the EPHT program and the state and national EPHT networks.
- Designate an official public liaison to direct inquiries to appropriate staff members for the Missouri EPHT program.
- Create an annual executive summary of Missouri EPHT activities, and make it available on the Missouri EPHT website.
- Update technical information about the state network on the Missouri EPHT website for review and comment.

July 2008:

- Establish and implement data exchanges with two other state agencies.
- Completion of metadata templates for initial core measures.
- Publish identified data for initial core measures on the state EPHT network web-portal.
- Use the templates developed by the Program Marketing and Outreach workgroup (PMO) to create Missouri specific brochures and fact sheets describing the EPHT program.
- Provide technical assistance and dissemination of health data and information to stakeholders.
- Provide four training sessions for users of the MOHSAIC blood lead application.

August 2008 – June 2010:

- Collect and evaluate partner input annually.
- Complete first long-term evaluation of the state EPHT network.
- Provide access to the national EPHT 101 course through the Missouri state EPHT network web-portal.
- Negotiate file transfer protocols and appropriate TPAs for Cancer and Birth Defects.
- Publish the first State of the Missouri EPHT Network report.

July 2010:

- One staff member from each participating LPHA will complete the national EPHT 101 course.
- Document usage of data by stakeholders, and identify public health investigations and interventions that were based on information obtained from the state EPHT network.
- Make recommendations, discuss lessons learned, and evaluate new environmental public health data to be included on the state and national EPHT networks.
- Publish the identified data for Cancer, Birth Defects, and other Content Workgroup mandated measures.
- Completion of metadata templates for Cancer, Birth Defects, and other measures required by the Content Workgroup.
- Extend the web-portal to include all EPHTN approved components.
- Begin planning for the sponsorship or co-sponsorship of an environmental public health related seminar or workshop to focus on an aspect of environmental tracking (e.g. defining environmental exposure).
- Recruit at least two new advisors to the group.
- Develop and sponsor five field-training exercises on data collection and GIS analysis for LPHAs.
- Develop five environmental public health-related tabletop exercises on data collection and analysis.

July 2011:

- Sponsor or co-sponsor an environmental public health related seminar or workshop to focus on an aspect of environmental tracking (e.g. defining environmental exposure).

## **Plan Development and Maintenance**

This strategic plan will continue to be revised and updated, as needed, as the program progresses. As part of the EPHT program's ongoing self-self assessment, DHSS, ITSD, and other partner entities will meet periodically throughout the year and review this plan to determine whether revisions are needed. Revisions will be published annually.

This strategic plan is based upon an analysis of existing resources, knowledge or our relationships between agencies, stakeholders, and regional collaborators, and the continuing support of the CDC in their national efforts with organizations such as the National Center for Public Health Informatics (NCPHI), US Environmental Protection Agency (EPA), National Association of Health Data Organizations (NAHDO), and the National Association for Public Health Information Systems (NAPHIS).

The implementation of the plan could be modified due to issues discovered during the negotiation process for each trading partnership agreement (TPA), reprioritization of IT resources, and national or international disasters. In the event of changes to this plan, the Missouri EPHT program will revise the methodology and assess other secondary data sources.

The strategic plan is posted on the DHSS Internet site and available at:  
<http://www.dhss.mo.gov/EPHT/Reports.html>.

